3" BFK & BFV Series
SUBMERSIBLE SEWAGE PUMPS
FEATURES

SELF-CLEANING: The patented design of the self-cleaning K-impeller has been proven to reduce clogging and maintain efficiency when pumping wastewater

SOLID HANDLING: The vortex impeller can handle solids up to 3” in size and resists clogging better than a traditional two-vane impeller

POWERFUL: An efficient air-filled motor provides built-in thermal overload protection allowing the pump to run continuously without overheating

APPLICATIONS

Used in a variety of residential, commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering/effluent
- Farms
- Hospitals
- Trailer courts
- Motels

SPECIFICATIONS

- Capacities:
  3” Series: Up to 560 gpm

- Total head:
  3” Series: Up to 157 feet TDH

- Horsepower:
  3” Series: Up to 11 hp

- Discharge size:
  3” Series: 3” ANSI flange

ROBUST: Components are made from robust cast iron for long life and easy maintenance

DURABLE: Heavy-duty long life bearings provide peace of mind

SMOOTH: The double mechanical seal provides extra reliability and protects against leakage*

INSTALLATION OPTIONS: Pump has built-in dual seal and sensors for high temperature and seal leak detection which accommodate upgraded panel installations*

* Upgraded installation required for seal leak detection

• Insulation: Class F: 310º F (155º C)
• Maximum Fluid Temperature: 104º F (40º C)
• Phase: Three-phase
• Frequency: 60 Hz
• Impeller:
  BFK Series: Self-cleaning K-impeller
  BFV Series: Vortex impeller
• Motor: Air-filled 3400 rpm motor with built-in thermal overload protection
• Bearings: Single row ball bearings
• Upper-Lower Seal Configurations (configurations vary by model):
  - Carbon/Aluminum Oxide - Aluminum Oxide/ WCCR
  - Carbon/WCCR - WCCR/WCCR
• Cable Length: 50 ft (16 m) power cord

AGENCY LISTINGS

Tested to UL 778 and CSA 22.2 108 standards by Canadian Standards Association

Upgraded installation requires MiniCAS module in control panel.
## PRODUCT SPECIFICATIONS

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PERFORMANCE CURVES

3” BFV 9.5 HP - N

TOTAL DYNAMIC HEAD vs. CAPACITY (US GPM)
Pump Efficiency
Overall Efficiency
Power Input P1
Shaft Power P2

V95 138 mm
38.4% Eff.
PERFORMANCE CURVES

3" BFK 3.8 HP - T
PERFORMANCE CURVES

3” BFK 6.4 HP - R

[Graph showing performance curves for a pump. The graph plots capacity (US GPM) on the x-axis and total dynamic head, pump efficiency, power input, and shaft power on the y-axis. The graph includes lines for different measurements such as capacity, total dynamic head, pump efficiency, overall efficiency, power input, and shaft power. The data points and labels are marked accordingly.]

Wastewater

Bell & Gossett
PERFORMANCE CURVES

3” BFK 9.5 HP - M

[Graph showing performance curves with data points and labels for capacity, power input, shaft power, static head, and efficiency.]
PERFORMANCE CURVES

3” BFK 11 HP - L

- Capacity (US GPM)
- Total Dynamic Head (ft)
- Pump Efficiency [%]
- Power Input P1 (hp)
- Shaft Power P2 (hp)
- Overall Efficiency [%]
3" DIMENSIONS

**3BFV64**
- A = 20.59"
- B = 13.47"
- C = 5.59"
- D = 7.87"
- E = 5.67"
- F = 5.71"
- G = 3.94"

**3BFV95**
- A = 23.31"
- B = 20.49"
- C = 8.39"
- D = 12.21"
- E = 7.64"
- F = 9.13"
- G = 4.61"

**3BFK38**
- A = 17.99"
- B = 12.52"
- C = 4.65"
- D = 7.87"
- E = 4.06"
- F = 4.84"
- G = 3.94"

**3BFK64**
- A = 20"
- B = 14.84"
- C = 5.79"
- D = 9.06"
- E = 5.75"
- F = 5.83"
- G = 3.54"

**3BFK95 3BFK11**
- A = 22.44"
- B = 16.73"
- C = 6.50"
- D = 10.24"
- E = 5.95"
- F = 6.77"
- G = 3.54"
Xylem [ˈzɪləm]

1) The tissue in plants that brings water upward from the roots; 
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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